

Partial
Listing



US005630071A

United States Patent [19]
Sakai et al.

[11] **Patent Number:** **5,630,071**
[45] **Date of Patent:** **May 13, 1997**

[54] **POS SYSTEM HAVING SELF SCANNER AND DISPLAY FOR ISSUING TOTAL NUMBER OF PURCHASED COMMODITIES AFTER EACH FIXED INTERVAL OF TIME**

[75] **Inventors:** **Kazuhito Sakai; Tomochika Shibata; Chizuo Suzuki; Chizu Shimizu**, all of Kawasaki; **Kaoru Kikuchi**, Hachioji; **Kyoko Terada**, Kawasaki, all of Japan

[73] **Assignee:** **Fujitsu Limited**, Kawasaki, Japan

[21] **Appl. No.:** **598,087**

[22] **Filed:** **Feb. 7, 1996**

Related U.S. Application Data

[63] **Continuation of Ser. No. 273,789**, Jul. 12, 1994, abandoned.

Foreign Application Priority Data

Nov. 26, 1993 [JP] Japan 5-296990

[51] **Int. Cl.⁶** **G06F 19/00**

[52] **U.S. Cl.** **395/221; 395/222; 395/224**

[58] **Field of Search** **395/800, 216; 364/401, 405, 483, 408; 235/383, 431, 380, 381**

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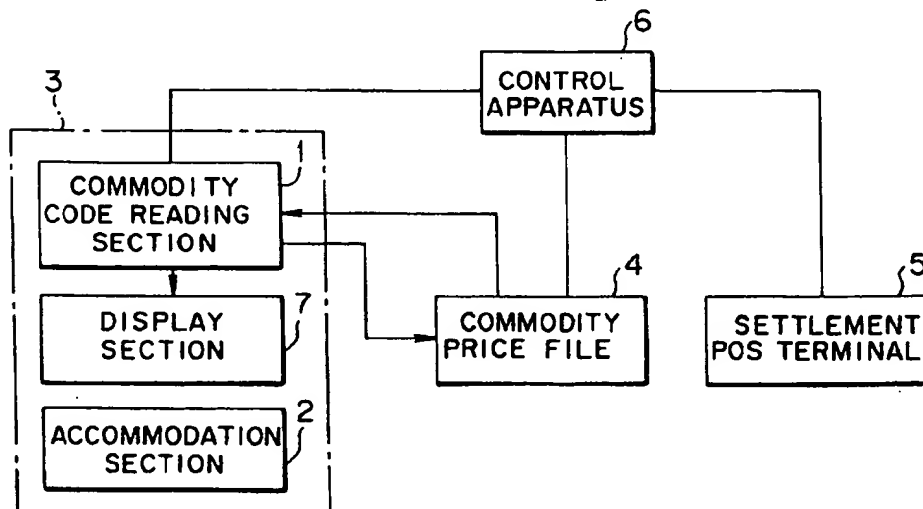
Primary Examiner—Meng-Ai T. An

Attorney, Agent, or Firm—Armstrong, Westerman, Hattori, McLeland & Naughton

ABSTRACT

A POS (Point Of Sales) system which employs a purchased commodity accommodating and transporting apparatus having a self scanning function is improved in that a total amount of money for commodities loaded on a shopping cart or in a shopping basket or unit prices of the individual commodities can come to a knowledge of a customer before the commodities are transported to a settlement POS terminal thereby to prevent possible shopping of an amount of money greater than an estimate to allow smooth shopping and that commodities are printed in a sorted condition for different groups to facilitate confirmation of purchased commodities by a customer. A display section is provided on the purchased commodity accommodating and transporting apparatus and displays the prices of commodities obtained by retrieval of a commodity price file in accordance with commodity code information read by a commodity code reading section and a total value of the prices of the commodities.

15 Claims, 25 Drawing Sheets



DOCUMENT-IDENTIFIER: US 5630071 A

TITLE: POS system having self scanner and display for issuing total number of purchased commodities after each fixed interval of time

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DEPR:

The purchased commodity accommodating and transporting apparatus 21 may be a shopping cart (hand cart), a shopping basket or a like member for accommodating and transporting purchased commodity in a store. Normally, a plurality of such purchased commodity accommodating and transporting apparatus 21 are prepared in the store, and each of the purchased commodity accommodating and transporting apparatus 21 individually has a unique identification number applied thereto.

DEPR:

The purchased commodity accommodating and transporting apparatus 31 corresponds to the purchased commodity accommodating and transporting apparatus 21 in the first embodiment described above and may be a shopping cart (hand cart), a shopping basket or a like member having a self scanning function. A plurality of such purchased commodity accommodating and transporting apparatus 31 are prepared in a store so as to allow customers to accommodate and transport purchased commodities in the store, and have different unique identification numbers applied thereto. While such a shopping cart 31 as shown in FIG. 4 can be employed for the purchased commodity accommodating and transporting apparatus 31 similarly as in the first embodiment, the form of a display of the display section is different from that in the first embodiment.

DEPR:

The purchased commodity accommodating and transporting apparatus 41 corresponds to the purchased commodity accommodating and transporting apparatus 21 and 31 in the first and second embodiments described above and may be a shopping cart

(hand cart), a shopping basket or a like member having a self scanning function. A plurality of such purchased commodity accommodating and transporting apparatus 41 are prepared in a store so as to allow customers to accommodate and transport purchased commodities in the store, and have different unique identification numbers applied thereto. Such a shopping cart 41 as shown in FIG. 4 can be employed for the purchased commodity accommodating and transporting apparatus 41, and a shopping basket not shown can be placed onto the shopping cart.

DEPR:

The purchased commodity accommodating and transporting apparatus 51 corresponds to the purchased commodity accommodating and transporting apparatus 21, 31 and 41 in the first to third embodiments described above, and may be a shopping cart (hand cart), a shopping basket or a like member having a self scanning function. A plurality of such purchased commodity accommodating and transporting apparatus 51 are prepared in a store so as to allow customers to accommodate and transport purchased commodities in the store, and have different unique identification numbers applied thereto. Such a shopping cart 51 as shown in FIG. 4 can be employed for the purchased commodity accommodating and transporting apparatus 51, and a shopping basket not shown can be placed onto the shopping cart.